

Information on Search Strategy - Pilot phase (see OJ 2015, A86)

The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number

PCT/IB2019/060338

TITLE: POLYMER COMPOSITIONS INCLUDING FUNCTIONALIZED CARBON NANOTUBES AND CRYSTALLINE CELLULOSE MATERIAL

APPLICANT: SABIC GLOBAL TECHNOLOGIES B.V.

IPC CLASSIFICATION: C08J5/00, B82Y30/00, C08K9/04, C08K3/04

EXAMINER: Frison, Céline

CONSULTED DATABASES: WPI

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: C08J5/005, B82Y30/00, C08K9/04, C08J2301/02, C08K3/041

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

A polymeric composite material comprising one or more polymers, crystalline cellulose and functionalized carbon nanotubes with a specific oxidation level and method for its production. The carbon nanotubes are well dispersed into the polymer matrix, which leads to increased mechanical properties thereof.

Keywords: nanotube, cellulose, composite, functionalized, oxidized, polymer, matrix